From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "j.w. thornton" <dub@oklahoma.net>
Subject: [19482] 38S Filter:
Message-ID: <3.0.32.19970512100849.00b1f164@okc.oklahoma.net>

Hey Guys/Ladies:

 I have seen very little posted regarding the crystal filter in the 38S. Has anybody done anything in this area, even adding the one additional filter provided for on the board?? If so, what kind of results?? Did it eliminate or greatly attenuate the undesired sideband?? What kind of bandwidth did you get??

I have been havin a ball with my 38S. Give that dude enough audio to drive a speaker well (I dont use headphones), give it a better I.F. filter, and it will give anything I own a run for the money. A real fun radio to operate. "72"
Dub WA5YFY
J. W. (Dub) Thornton
QRP-l # 159
ARCI #6982
NW QRP # 427
Minco, Okla. 73059

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: MSU1972@aol.com
Subject: [19463] 38s t1 2peaks ????
Message-ID: <970511221930_-1231592264@emout04.mail.aol.com>

After suggestions to remove turns from t1 to get the 2 peaks...I did so.
  I've gone from 20 turns to 17 and still one peak!   However, the rig works nice...great audio...super loud using Radio Shack mono's (I jumped r24 and it doubled the sound).
Question - With the rig working should I remove more turns to try to get two peaks...or leave it alone???
David, KB8OCC

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "Moore, Randy (William R)" <WRMoore@ingr.com>
Subject: [19479] 50/40/30 from Alabama
Message-ID: <c=US%a=_%p=INTERGRAPH%l=HQ12-970512145327Z-4922@hq15.pcmail.ingr.com>

I'll be on for 50/40/30 Tuesday night, May 13 (local date) from Huntsville, Alabama.

1900-2100 CST (0000-0200UTC Wed. 14 May 97) = 10.115 +/-

2100-2300 CST (0200-0400UTC Wed. 14 May 97) = 7043 +/-

Rig = OHR 400 @ 5w into a large horizontal loop.

The exchange is CALLSIGN, RST, STATE/PROVINCE/COUNTRY, NAME, POWER. I will call CQ WAS QRP de KS4L.

Hope to work you then!

73/72,

Randy, KS4L

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [19458] A few more Aluminum masts for sale!!!
Message-ID: <Pine.3.89.9705111953.F9828-0100000@w3eax.umd.edu>

Through magic, gasoline, and determination, N3XRV and I travelled to the "ends of the earth" and managed to get a few more of these. We also have some plans for feeding them as ground-mounted 40m verticals, maybe two or four in phase!

DETAILS:

They consist of

6 tubes of larger diameter (abt. 1.75", painted green)
6 tubes of lesser diameter (abt. 1.5" I.D., painted green)
2 guy tie-off rings (two sizes!)
4 galvanized steel spikes
1 swivel base, capable of taking either size tube
1 base plate for ground mounting
4 of each of 2 lengths of guy ropes with tensioners

Unassembled, they fit into a box that's 42" x 9" x 5", and abt. 25 lbs.

Assembled, they're about 31' long (opposed to 35', as previously thought). The top section has a smaller section protruding a few inches - put an Al or steel or PVC pipe on top...then an antenna...small beam, loop, wire dipole, inverted vee...

They're aluminum and painted GREEN (they disappear!!!). This is a VERY

well-made piece.

Chris and I are experimenting...we have plans for replacing metal with lexan block for feeding it as a vertical...

They were $450 or so when procured by the military. The first batch went cheaper, but given the distance required to get these, gotta ask

$130 plus shipping if necessary

Great for Field Day, VHF mountaintopping. Will ship or deliver to Dayton.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

On Mon, 5 May 1997, David C. Patton wrote:

> HI Scott!
>
> I want one!
>
> 73, Dave, KW9KW@contesting.com
>

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Bob Kellogg <ae4ic@nr.infi.net>
Subject: [19487] A21CW - QSL?
Message-ID: <199705121701.NAA26721@mh004.infi.net>

Gang,

Last night on 30M I observed a pileup about 10.113. It was A21CW.
Naturally, I busted the pileup to work him with my 5 watts. (there were
broken callsigns lying all over the floor of my shack when I got through,
--And I think there was a bent Yagi and a smoking linear or two, also)

Now, I'm trying to find out who he is and where he was for sure.

The KA9FOX info doesn't mention him. I assumed it was an expedition because

of the "CW" call. I thought it was Qatar, but maybe not. If it is, it is
my first Asia contact.

Anyone know anything about this guy?

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. - Benny Hill
WIMPS: Qs=001 30m=1 17m=0 12m=0 States=01/00/00

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Bob Kellogg <ae4ic@nr.infi.net>
Subject: [19491] A71CW - QSL? Correction
Message-ID: <199705121728.NAA04015@mh004.infi.net>

Gang,

Last night on 30M I observed a pileup about 10.113. It was A71CW.
Naturally, I busted the pileup to work him with my 5 watts. (there were
broken callsigns lying all over the floor of my shack when I got through,
--And I think there was a bent Yagi and a smoking linear or two, also)

Now, I'm trying to find out who he is and where he was for sure.

The KA9FOX info doesn't mention him. I assumed it was an expedition because
of the "CW" call. I thought it was Qatar, but maybe not. If it is, it is
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Anyone know anything about this guy?

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. - Benny Hill
WIMPS: Qs=001 30m=1 17m=0 12m=0 States=01/00/00

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "Hidehiko KOMACHI" <ja9mat@nsknet.or.jp>
Subject: [19472] Added a 6m-QRP Transverter
Message-ID: <199705121216.VAA21259@po.nsknet.or.jp>

Hi,fellows.
I added my 6m Transverter on my website yesterday.

Please enjoy! 72!

** de,JA9MAT,Hidehiko KOMACHI,E-Mail;ja9mat@nsknet.or.jp ***
W.W.Web.Site;http://www.nsknet.or.jp/~ja9mat/Index.htm
Member of JA-QRP#036,G-QRP#9128,Alaska-QRP#025,QRP/L #761...

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [19464] An "Unofficial" QRP Frequency List from Multiple sources
Message-ID: <19970511.224434.7679.1.wb2vuo@juno.com>

--WARNING !!!-- THIS IS NOT AN "OFFICIAL" LIST !!!

This list is a compilation of various sources, including the "QRP Notebook", MI QRP, various packet postings and on-the-air discussions over the last 3 decades or so. I tend to follow the recommendations listed here, but don't get in the rut of "only" operating on these spots! Here is the list, as compiled, for the internationally recognized QRP calling freqs +/- QRM... (Revised as of 11 May, 1997...WB2VUO)

BAND	CW	SSB
160M	1.810 MHz	1.910 MHz
	1.843 MHz (Europe)	
80	3.560	3.985
	3.710 (US Novice) Don't forget about these guys!	
	3.686 (US Novice, alternate frequency using a computer timebase Xtal)	
	3.579 (Colorburst TXes)	
40	7.040	7.285
	7.030	7.060 (Europe)
	7.110 (US Novice, although the Packet QRM is getting worse at the low end of the band)	
30	10.116 (New "De-Facto" QRP frequency, less commercial QRM)	
	10.140 (23-Channel CB Synthesizer Xtal, low cost, and acccessable to the British Novices)	
20	14.060	14.285 (Also the S.P.A.M AM spot)

17	18.080	18.130
15	21.060	21.385
	21.110 (US Novice, although a bit higher is better due to the HF Packet QRM)	
12	24.910	24.950 (Also the `de facto' 12 Meter Calling frequency)
10	28.060	28.885 (Also the 6M liason spot)
	28.110	28.385 (US Novice/Technician)
		28.360 (Suggested by SPRAT--N7WIM)
		28.965 (AM CB set conversion Ch-1)
	29.300 (FM Simplex)	
6	50.200*	50.200* (NCF--everyone listens here)
		50.400 (AM...[Sixers ARE QRP!])
		52.525 (FM Simplex)
2	144.200	144.200 (NCF--everyone listens here)
	147.585 (FM Simplex)	

---

* - Change from 50.125 per the recent move reported in QST

The VHF listings are iffy, especially the 6 and 2 Meter. They are based on the North American recongnized Calling Frequency. When you make contact on these spots, PLEASE QSY to chat! I realize that the bandplans are different elsewhere, so feel free to make whatever adjustments you need to these recommendations. If you have any additions and/or suggestions or what-have-you, drop me a line here or, if REALLY urgent, call me on the twisted pair at (716) 494-1239.

72/73, Keith, WB2VUO, QRP-L # 582, scQRP 40,
Tech Specialist (WNY Section), ARRL Life Member,
Trustee, KB2YTW/B 10 Mtr Milliwatting Beacon (4 W @ 28.2870 MHz)
"In the Depths of the Great Bergen Swamp...FN13ac"
Email - wb2vuo@juno.com Packet - wb2vuo@w2im.#wny.ny.usa.noam
SnailMail - CBA   Phone - 716.494.1239
"My night light uses more power than my Rig!!!"

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: fmathews@norfolk.infi.net (Frank Matthews)
Subject: [19459] Another Project Works...First Time!
Message-ID: <v01530500af9beb30654f@[208.131.169.129]>

Dear Fellow QRPer's,

        After all of the hoorahh of Mother's Day, I settled down in the garage (my shack/workshop) to begin construction on my WM-2 QRP wattmeter from Oak Hills Research. Assembly went very smoothe and was up and running about six hours later (lots of breaks and wasen't in a hurry). This is another first class kit from Dick Witzke (KE8KL). The parts and instructions were superb! It really compliments my OHR100 and DD-1. Now all I have left is the SCAF and I'll be finished.
        I know I seem a little over enthusiastic to some of you but I really get excited when I see top quality! We as humans are sometimes quick to find fault... therefore I try to spread as many positive experiences as I can.
        If you are a first time kit builder or are just considering your next qrp rig or accessory...consider the products from OHR. You won't be sorry. I certainly am not. It was money well spent.

73, Frank

Usual disclaimers...

Frank Matthews
Technology Education Department
Oscar F. Smith High School
Chesapeake, VA 23320
fmathews@norfolk.infi.net
KC4FKX   QRP-L #1079 CQC #434   NorCal #????
Grid Square FM16

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Daniel Puckett <dpuckett@erinet.com>
Subject: [19494] Antennas at Dayton
Message-ID: <33775D1A.7FA6@erinet.com>

Last year some kind souls brought some masts and set up antennas for FDIM and all the other activities. I don't know if there are any plans to do this again this year. If so, I have 3 10' sections of steal mast to volunteer. I also have some coax, hammers for driving guy stakes, and other sundry things. Let me know what's needed.

Dan WD8AAU

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: tim_hynde@idecc.com
Subject: [19483] Bandswitch chip?
Message-ID: <9705128634.AA863451005@idec_mail.idecc.com>

> Q. Could the 4066 chip used in the 38 S to change between tx/rx be used as a bandswitch? e.g instead of unplugging band modules in a Sierra use several of these?
>
> Tim, ka8ddz

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: wb8ygg@juno.com (Bradley S. Mitchell)
Subject: [19503] CI:TiCK-2 Shipping
Message-ID: <19970512.163219.11631.0.WB8YGG@juno.com>

The TiCK-2 , the memory Version of the TiCK-1
is officially shipping as of Today, just
before Dayton as promised.
Pin for pin compatible with the TiCK-1 with 20 plus
characters of programmable memory.
I can send "cq cq de wb8ygg wb8ygg AR K" easily.

Chip $10.00 PPD US
DIP Kit $21 PPD US
SMD KIT $21 PPD US

See you at Dayton!

73 Brad WB8YGG & Gary N2JGU
     Embedded Research

http://www.vivanet.com/~gmdsr

Embedded Research
P.O. box 92492
Rochester , NY
14692

P.S. CI: ==> Commercial Interest

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "J.B. Fox" <w5hir@mail.phoenix.net>
Subject: [19508] Component suppliers
Message-ID: <199705122231.RAA09943@raid2.fddi.phoenix.net>

I would appreciate anyone pointing me in the right direction of Surface mounted components e.g. chip caps and chip resistors and anything els SM. Also want to know who supplies the small 455khz and 10.7mhz ceramic filters used in a lot of flea powered rigs.

Also as an aside, I need to find someone who has a copy of the AEA pcpacratt for the PK-88 TNC. I bought the PK-88 years ago, and had purchased a copy for that TNC, but since have either sat on it, or canned it unintentionally. I would contact AEA, but they are no longer in business..

foxy
w5hir@mail.phoenix.net

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [19486] Dayton
Message-ID: <Pine.SUN.3.90.970512095632.26493E-100000@vortex>

Hey,

How am I supposed to know how to dress for Dayton without any Dayton Wx reports???? :-)

I will be arriving at 1507 Wed and need a ride to DIS if anyone will be there around that time.

Otherwise I'll take a cab or whatever.

cu all there.....

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [19495] DAYTON wx forecast for the uninitiated
Message-ID: <Pine.3.89.9705121218.C12156-0100000@w3eax.umd.edu>

Dayton WX is forecasted to be sunny and in the 70's, with a slight chance of

1) Blazing sun, 90+ degrees (1995)
2) Monsoon rains (1994)
3) Snow (1993)
4) Tornadoes (1994)
5) Mud (1993, 1994) - hint - DON'T PARK ON GRASS!!!

and could be, just to be ornery

6) Sleet/hail
7) Tsunami
8) 100+ degrees
9) -10 degrees
10) earthquake
11) meteorite impact

Basically, pack for EVERYthing. At least ice isn't likely in May as it
was in April.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

On Mon, 12 May 1997, Daniel Puckett wrote:

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> FDIM and all the other activities. I don't know if there are any plans
> to do this again this year. If so, I have 3 10' sections of steal mast
> to volunteer. I also have some coax, hammers for driving guy stakes,
> and other sundry things. Let me know what's needed.

>
> Dan WD8AAU
>
>

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Scott Bauer <ke3nv@erols.com>
Subject: [19467] DX POSTING
Message-ID: <199705120320.XAA16068@smtp2.erols.com>

 3B8CF is calling cq on 10.102 at 0320Z. His RST is 339 in MD.

 Good luck
72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
 Fists 1502   QRP Nut SWL Truck Pilot   ARRL
     Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40
 S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80. Emtech NW-8030
                     49er   38 special at 300mw
         visit my web page at http://www.erols.com/ke3nv/

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: windish@ix.netcom.com (Walter G. Windish)
Subject: [19480] FDIM - Cancelled Room
Message-ID: <199705121456.JAA17444@dfw-ix1.ix.netcom.com>

I just cancelled my room at Days Inn South, if anyone's interested.

Sorry I'll miss it, but I need my job! 72,

Walt

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [19504] Heads Up
Message-ID: <199705122142.QAA06981@chuck.dallas.sgi.com>

Gang,

The other day, Randy WJ4P, got on my case about being particular about the paperwork for awards. Let me use his case as an example. It wasn't a simple matter of dotting the i's and crossing the t's as he implies.

He said 8 months. Ain't so.

He sent me email in Sept of last year about three contacts that he made that qualified for the 1,000 miles per watt award. No biggie.

But he didn't have a way to get the exact mileage, so I sat down and sent email to the list server and got the three distances. I sent him the email showing the distances.

In late November I receive a letter with three pages showing the email that I sent to him. He penciled in for each contact a power level and he did the math to calculate the miles per watt values. That was all I got for the paperwork.

No dates of QSOs, no bands, etc. I am supposed to sit down and fill out the form for him? The reason for the form(s) is to make sure that I get all the information for the database and the award.

So, Randy, do me a favor and fill out the paperwork completely and resubmit. Use the forms. I expended my valuable time to wade through and fill out the form but let's let you do it to see how long it takes. Multiply the time by a hundred and figure how much time people want me to spend on their behalf. I used to do it too.

I spend hours every month going through all kinds of girations on figuring out applications. Sometimes I can and sometimes I can't. I do the best I can. I could write a book on the combinations that I have received. I took a lot of flak from people when Ron Starke was kind enough to publish the forms in the Quarterly. A lot people thought it was a waste of valuable space. It was the fastest way to get the information spread other than this group and I refuse to abuse this group with postings about such stuff. Check back through 4 years of archives. The forms are online on ftp.lehigh.edu, but a lot of people still can't print PostScript.

I have one interesting application for a 1,000 mile per watt award. "The following QSO occurred between me and a station in New Zealand on 15 meters. At the time I was running XXXX rig at around 2W or maybe 5W. I think the distance is great enough to equal 1,000 miles per watt.....". Now I have to sit down and write a letter explaining that more accurate data must be supplied. It's not guesswork.

I am not singling out Randy here, so don't take it personal. I have

had others come after me with a baseball bat, no problem. Comes with the territory. One person promised to return some certificates, but I sure haven't seen them.

The reason for the forms is to speed things up. Use 'em please.

Also, I make mistakes. I am only human. I keyed in 30+ years of data. I am in the process of getting it all published. Yes, I have gotten behind and sometimes I will get behind aperiodically, just hang on. Also things disappear in the black hole known as the USPS. Also don't expect 24 hour turnaround. And getting more postal addresses (there are already two other managers in the loop as it is) won't work. It's not the end of the world as we know it. For reasons of publishing and getting it all in print in one format -- just to list a few.

1. To show the rest of the world what all the past QRPers have done and what is possible. I realize that there are a lot of people in this day and age that don't care what other people are doing or have done. That attitude I do not understand at all.

2. To make sure a complete copy exists in more than one place. Not all the data has been made available to the membership of ARCI.

3. To make sure that the people living and were there double check the facts. There have been a number of award managers and I am trying to find out who did what and for what period of time. Data changed or was skipped and I want to collect what I can while I can.

Now there are some that will probably send me email and say how about putting the information on the web. Ain't gonna happen. Why give away something for free that others have paid for and continue to support. There is no free lunch. You don't see clubs putting newsletters on the web. If they did that they would not be getting money for newsletters. Noone would subscribe that had web access.

I have yet to find a single human being on this planet that has every issue of the ARCI Quarterly. I keep bringing this up, because as each day passes the chance is lessened. I know that in the 90s and at this time of our lives and the life of the QRP community. In some issues I noted that publication of awards was ommitted, incomplete, etc. I have taken on the personal task of trying to make a significant effort to get them all. Doug Hendricks collected all the issues from 1985 to the present and sells reprints of them (or used to).

They are darn well worth the price of admittance. Did you know
that prior to 1985 the format was like that of SPRAT and all the
current newsletters like QRPp, The Low Down, Hambrew, etc.?
The only newletter that I get at the present time other than the
Quarterly is the NE QRP club '72' that is the 8.5 x 11 format.

I wish to get all the issues and will give all contributors of
issues prior to and including 1981 photocopies of issues that they
are missing for only the cost of reproduction and in some cases
I'll do it for free if they can provide a significant part of the
missing information.

OK, so if anyone has a pending issue, send me email immediately.
I will at 10 a.m. in the morning, April 13, 1997, start printing
several hundred pages to be bound in a book that I am taking to
Dayton. This is the time to get my undivided attention, so do it
now, don't let it slip. I will be up late packing as it is. :-)
I'll be sitting at the computer on the hour every hour. Hey,
check 40M late at night too. Hope that I don't run out of toner.

Sorry for the bandwidth gang. I have to do this every two years or so.
It's like bringing out the bulldozers on Monday in Dayton to clear
the parking lot. :-)

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/adams/
WIMPS: Qs=032 30m=21 17m=5 12m=0 States=19/05/00 DX=03/00/00 QSLs=012

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "Carol N. Wright" <cnw@HiWAAY.net>
Subject: [19461] Hookup wire?
Message-ID: <Pine.OSF.3.94.970511211255.17798B-100000@fly.HiWAAY.net>

Hey Gang,
Just wandering what kind of hook up wire, like 3 or 4 conductor, that you
guys use for hooking up pots, etc. I like the kind of wire that Dave,
NN1G supplies with his kits. I got some from Radio Shack but it stinks,
badly. In other words, it's not worth throwing away. Too much energy.
Hee Hee! Thanks, Best 72/73 DE Matt, AE4JM

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [19462] Kay Elemetrics Corp Attenuator
Message-ID: <199705120219.VAA02387@chuck.dallas.sgi.com>

Gang,

While in CA last week I went to the Livermore swap on Sunday.
Hey, I save the company $800 on airfare and get to Livermore
and NorCal. Can't beat that deal.

Eric, WA6HHQ, had me in tow for a while on the last pass through
the parking lot looking for deals. He had already gotten a fine
Spectrum Analyzer at a bargain. We were at one table and he spotted
the above attenuator, but he didn't take it. So I asked the guy how
much and he said ten bucks. Out came a picture of a famous dead
president immediately. When I asked I was told it was working.
Thanks to Eric for finding this puppy.

So today I got out the ohmmeter and tested it and it wasn't working.
OK, the reason why most of us are willing to spend $10 is to gamble
anyway on getting a good part and not having to do any work.

This thing is a boat anchor, i.e. a precision made piece of equipment,
and finely machines. Two TNC connectors, one on each end mounted on
copper plate which is in turn mounted to the sides of the attenuator.
Weighs in at 38 oz. So, first thing I do is remove both ends and
check for continuity, mechanical and structural integrity, and measure
electrically. Checks OK.

Put the ends back on and start checking resistance on both ends with
slides in various combinations and locate an open connection existing
between two of the sections. OK, the moment of truth. Remove the top
cover to see if it is repairable. This puppy is a precisely machined
work of art. I figure out the mechanics and remove a divider section
that I believe to be at fault. There is a grease everywhere, so I do
some cleaning with paper towel and then I see just how beautiful this
instrument really is. A work of art. We are talking Faraday shields
within Faraday shields.

Each section is a machined block with two contacts that slide back
and forth with the section and only one is in contact with a center
spring contact and there is a copper circular set of fingers that
ground the block with the divider and at the same time makes a
tubular electric shield for the signal path. I check the block
with an ohmeter and determine that it is just fine. With the

stage of the attenuator within a sliding block you have excellent isolation between stages, necessary for accurate and precise measurements.

The reverse process of putting the puppy back together is much too gory to go into detail, but kids don't do this at home. I removed on end piece and played construction blocks to get it back together without bending or destroying the fine copper fingers.

Each block, capable of being disassembled with screws holding them together, seems to have Delrin inside and a copper contact for each section. Finely machined. And no, I did not take one apart. I may be a Texan but I am not stupid. The DFW rule, don't fool with it. It isn't broken.

After getting it back together I determined that indeed I was successful and now have an attenuator to play with. Remember I had started discussing this earlier this month in anticipation of having to get the FAR boards and building one from scratch. May still do that to check homebrew vs. commercial and the errors that can occur. Also determined that the attenuator had not been subjected to any abuse like a KW through it. :-) Or a 100W. Attenuators are usually rated at less than 5W anyway. Sometimes much less.

Also replaced both TNC connectors with BNC. Hey, I don't have coax connectors for same and don't want any. I'm only going to 28MHz max anyway. I'm not building a rocket to go to the moon or Mars.

OK, now calibration time. I have step slides for 1, 2, 3, 6, 10, 20, 30, 30, and 30dB for a total of 132 dB with steps of 1 dB.

I know how to do this, but I thought that instead of blurting out the answer I'd post the question and see if anyone learns anything from this exercise.

First, the antennuator is from DC to 4 GHz and 50 ohms impedance. Kay Elemetrics Corp model 461B. Anyone have the original list price? Anyone played with one?

I have a Tektronix model 191 RF signal generator, 50 ohms impedance, and voltage levels from 5mV to 5V and freq range from 350KHz to 100MHz.

Several 50ohm dummy loads good to 2GHz.

A calibrated RF probe that I picked up in CA months ago from W6MMA at Livermore which was military surplus and still sealed in all kinds of packing material. It turns out that the various tips and plugs match the Radio Shack Digital Multimeter 11-163 without mods or adapters. Also BNC plugs with shielding. Some days you do get lucky.

Also a Philips 3262 O-scope. Optional OHR WM-1 and WM-2 wattmeters.

Now go get your ARRL Handbook and study up on attenuators.

Which of the following configurations would you use to calibrate
and check the attenuator?

Sig Gen -> Tee -> Attenuator -> Tee

Sig Gen -> Tee -> Attenuator -> Tee -> Dummy Load

Sig Gen -> Tee -> Dummy Load -> Attenuator -> Tee -> Dummy Load

Where Tee is where the RF probe/Scope is to be used to make the measurements
for input and output. Dummy load is a 50 ohm non-reactive load.

What uses do you have for an attenuator? I will never transmit into this
puppy for a PA section of any rig.

Film at 11. (Which means answer to follow in the future and most likely
some discussion among the group prior to that time and NA5N will be
the judge and final jury).

Also picked up two straight keys for a total of $20 at Livermore.
All in all a good day and the meeting with the NorCal group is always
a winner. Got to see lots of stuff and the EE20 book mentioned previously.

So here is the lesson. Do your homework and study all that you can about
this hobby. Go to EVERY swapmeet you can and look for these bargains.
There are fewer and fewer of us that are doing homebrew. It looks like with
commercial downsizing and reductions there are bargains that come up all the
time and you just have to be at the right place at the right time. Study
also pricing as much as possible. Have some mechanical and electronic skills
(hey, you are a ham) and be willing to get into the innards and work out
problems. If it was easy, everyone would be doing it.

FYI

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/adams/
WIMPS: Qs=032 30m=21 17m=5 12m=0 States=19/05/00 DX=03/00/00 QSLs=005

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: New TELIS User Name <ki6ds@telis.org>
Subject: [19506] KI6DS & WA6GER To Dayton
Message-ID: <Pine.GSO.3.96.970512144021.127A-100000@homeroom>

Guys, both Jim Cates, WA6GER and I will be leaving very early Wednesday morning for Dayton. Thus, we will not be doing any NorCal business over the internet until we return on Monday. Please hold all inquiries until we return. Hope to see you there. Here is our schedule:

Wed. Arrive Dayton Days Inn South 6PM
     Available in hotel in evening
Thurs.   AM Trip to Wright Patterson AFB.
     1:00 - 5:00 Help George and Dick set up the G-QRP/NorCal booth at Hara Arena
     5:00 - 7:00 Dinner
     7:00 - 8:30 Host NorCal Open House featuring Roy Lewallen, W7EL in Centerville Room. All are invited, no charge, compliments of NorCal.
     8:30 - 12:00 ARCI Hospitality Room
Friday   AM Flea Market
     1:00 - 3:30 George Dobbs, G3RJV, Jim Fitton, W1FMR, and Doug Hendricks, KI6DS speak at QRP Forum, Room 2 Hara Arena
     3:30 - 5:00 Touring the Arena
     Evening ARCI Banquet, then Hospitality Room
Sat. At G-QRP/NorCal Booth
     Evening NorCal Dayton Building Contest 8:00 PM in ARCI Hospitality Room
Sun. Leave for California at 9:00 AM

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [19496] Licensing History
Message-ID: <Pine.SUN.3.90.970512112901.27018A-100000@vortex>

Hi All,

I am looking for as much history of amateur licensing as I can find. Dates, types of licenses, number of hams in US and/or world and anything else that will help.

Please indicate if the information is factual, like from a handbook or if it's from your memory. Either way is fine, I just need to keep the two apart!

When using references, please what is used for what! I really want this
to be accurate and complete.

Thanks in advance for any help.

cul,

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Scott Bauer <ke3nv@erols.com>
Subject: [19469] Manual Needed
Message-ID: <199705120519.BAA04574@smtp1.erols.com>

 Hello Group,

 I am in need of a manual for the Yaesu FRG-7 Communications
Receiver. It is the later version with the fine tune feature.
I will buy the origional or pay for the photocopy. Please email
me direct if you can help.

 Thank you,

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
 Fists 1502   QRP Nut SWL Truck Pilot   ARRL
     Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40
 S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80. Emtech NW-8030
                    49er   38 special at 300mw
         visit my web page at http://www.erols.com/ke3nv/

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: haf47@juno.com
Subject: [19497] NE-602 source
Message-ID: <19970512.144350.7895.0.HAF47@juno.com>

Hi group...I am looking for info on a source for NE602 IC's. A couple of
months ago I saw a posting that told of a source that had them for 3 for

$4.50...a real good price I think.

Anyone with info? Thanks in advance...Howie

WA2AFD

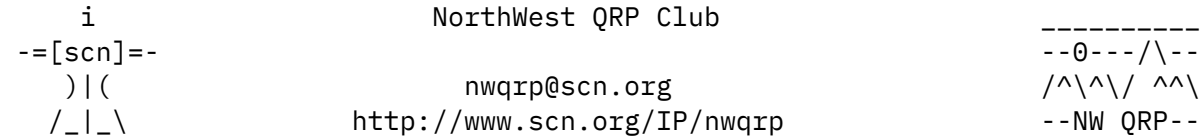
From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: SCN User <nwqrp@scn.org>
Subject: [19470] New & Improved NWQRP Database!!

Howdy QRPers!

Yes, the   NWQRP database has been replaced by a more versitile
and easily searched WODA (Web Oriented DAtabase).

Please give it a try!   http://www.scn.org/ip/nwqrp/woda/

--Brian, KV9X



From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: HIMES@idicl1.idi.oclc.org
Subject: [19484] OHR100
Message-ID: <01IIS4FZDNOIAR6KKY@idicl1.idi.oclc.org>

I just finished building my Oak Hills Research OHR100. It works
great and is a fine radio.

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [19505] Pre-Dayton sell-off - HTs, QRP, mobile rigs, wattmeter
Message-ID: <Pine.3.89.9705121651.B12923-0100000@w3eax.umd.edu>

ALL of this can be delivered at/to Dayton. ONLY 3 DAYS TO GO!

DAYTON PHONE 937-434-8750

Standard C5718DA twin band high power mobile (50w 2m,=20
40w 440). All of the guts (display, etc) is in the=20
mic making it an ideal mobile rig. Dual in-band
receive, crossband repeat, six scanning modes,=20
20 memories per side, speaker IN the mic, etc., etc.
I looked for one, and ended up with two
Excellent shape. The rubber on the mic is slightly=20
rubbed off; this is normal, and the factory is working
on fixing the problem...
Unit functions perfectly, have box, manual, power cord,=20
etc. $700 new, asking $525 firm. Great for hidden
mobile setups (i.e. small cars) like mine (shhh).

Ark 20 20m CW rig. Exc. cond., with keyer installed=20
by S&S. Comes with FREE Ramsey 20w linear amp. =20
Manuals, box, etc. $275.

Yaesu FT-50R 2m/440 MHz HT, mil spec. FNB-41 9.6v
battery, duckie, manual, charger, in excellent shape
except for the PTT button cover that's hanging off=20
(a new one is on order) when pulled. This radio
is modded for wideband xmit as well as receiving
(yes) 50-540 and 590-999 MHz, including cellular.
It will xmit on 222 as well although spectral=20
purity is questionable. $300+ new, asking $265.
Interested? There's a rapid charger for it down below...

Icom 2GXAT 7w 2m HT with cigarette lighter adapter,
all accessories, and photocopy of manual. Very easy
to use, 40 memories, CTCSS encode/decode, tone
scan, and more. $275 new, asking $200. With 7.2v
700 mAh battery.

Heathkit HM-102 HF wattmeter, exc. cond.,=20
remote sensor, $40.

A YELLOW VHF/UHF Scanner! Uniden=20
Bearcat Sportcat SC-150Y, and yes, it=92s YELLOW. =20
Exc. cond. with charger, NiCd pack, and rubber duck=20
antenna. NO CELL COVERAGE but covers approx.=20
30-54, 136-174, 400-512, and 800-960 MHz.. $135.

Alinco DR-130T 2m 50 watt mobile rig. CTCSS=20
encode, backlit LCD display, 20 memories, very=20
compact. Box, manual, DTMF mic, mobile bracket,=20
power cord. $200.

Archer Radio Shack Video selector switch. 15-1261. Two AUX=20

above. Like new, $15. I never used this (it's KA3RTE's).

Yaesu NC-50 dual-slot charger with CA-14=20
charging cups for FT-10/40/50 handhelds. In box,=20
new condition, used maybe twice. $135 new, asking $90.

Sirio HP-2070 dual-band (2m/440) antenna, with UHF=20
coupler (needs mount). Similar in size/performance=20
to Diamond SG-7500. $60 new, used once, asking $45.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** DAYTON PHONE 937-434-8750 *

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Peter Barville <peter@barville.demon.co.uk>
Subject: [19500] QRP+
Message-ID: <a8d+YVAjo3dzEwsu@barville.demon.co.uk>

Hi Folks

I recently acquired an early (seriaL Nr 224) QRP+ tcvr. Having read
through the QRP Quarterly article about suggested mods, I decided today
to put in the 78L05 regulator for the PA bias (mine just had the
resistor, R14, fitted).

Having done that, I then proceeded to set up the standing current on the
PA to around 900mA, as suggested in the article. However, I find that
the rig is prone to instability (noticed when running the rig into an
matched aerial on 30m) unless the standing current is reduced to (say)
700mA. The instablity manifests itself as an rf output (don't know what
frequency), even when the power control is set at zero. It seems to be
swamped, however, if normal drive is applied.

I also tried running ssb for the first time today, without much success.
I can't get more than around 750mW out, and the audio sounds (and looks,
on the 'scope) very non-linear. As if much more standing PA current is
required. I haven't had the chance to investigate furhter yet.

Has anybody else had similar experiences with their magic 'Cubes'?

--

72, Peter G3XJS (http://www.barville.demon.co.uk/qrpinfo.htm)

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "John A. Evans - N3QOO" <jaevans@cos.cst.titan.com>
Subject: [19485] Short Fuse - Hamvention ticket available !!
Message-ID: <199705121552.LAA117700@nss2.CC.Lehigh.EDU>

I apologize to the list for the non-QRp and non-worldwide applicability,
but if anyone needs a hamvention ticket and can pick it up pronto in
the Colorado Springs area, email or phone me asap. $13 face price. I do not
wish to risk snail mail to get it to folks, so hence the pickup requirement.

thx es 72 de n3qoo
john

John A. Evans   Chief System Administrator
Office: (719) 528-1800 x164   Titan Client/Server Technologies
Fax: (719) 528-1275   1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp   #15   NJ-QRP #50   AK-QRP   #52   NW-QRP #454
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Jim Bennett <jbennett@ebmud.com>
Subject: [19460] Sierra ABX Mod Story
Message-ID: <33767838.F83@ebmud.com>

Gang - thought you might get a chuckle out of this one. I built a new
Sierra last weekend, with its KC2 and matching front panel. The folks
at Wilderness Radio sent me an extra 10k pot and matching knob so I
could move the ABX (variable bandwidth) control off the board and onto
the front panel. When I built the rig last Saturday, I decided to leave
the ABX control change till later. Anyway, "later" became today after
breakfast. Here is what happened:

Had to de-solder the trimmer pot off the board first. I was surprised
how easy it was to de-solder and remove the small trimmer pot - didn't
even BBQ the board! Prepared three short lengths of #22 hookup wire and
connected 'em up. Wham-bam-thank-you-mam! Took about 10 minutes,
including heatup time for the soldering pencil. Piece of cake.

That is, until I brought the rig into the shack and hooked it up.....
Conected the antenna, paddle, headphones, power plug. Turned on the
13.8vdc supply. Turned on the Sierra. No signals. How bizzare for noon
on a Sunday - 40 meters totally dead :-(Switched the antenna over to
the IC-775. Lotsa signals on that rig on 40. CRAP!!! What's wrong? I
musta missed hooking up a cable.... Double checked all the connections
to the Sierra. Still no stations heard. Fondled the paddle. Heard the
sidetone, but the OHR wattmeter sez "life's a bitch, Jim - you've got
no RF output, either." Well, I'll be dinged. How in the heck can a
simple change like that completely kill the rig? No received sigs, no
RF output. So, I unhook everything and head to the garage / workbench.
Cripes, and I thought this was gonna be a good day. Now I'm depressed.
Life is not worth living..... Then I get to the workbench and see
it.... The 40 meter band module. Its sitting on the workbench where I
put it when I started the mod. It was laughing at me. I swear I heard
it say: "Jim, you dumbass. In a big hurry, are we? I'll teach you.
Put me back in and see if your rig works a little better."

When I saw that band module on the bench, I laughed so hard I almost
pee'd my pants! No wonder the rig didn't work. What a doofus. Amazing
how much better the rig works with that thing in place.
As Homer sez: Doooogh!

Well, it does indeed work like I wanted it to. This is one nifty little
rig. Have made a lot of good solid QSOs with it, and am looking
forward to getting a couple different band modules. If anyone
is looking for an easy to build and VERY simple to align QRP kit, I
heartily recommend the Sierra!

Usual disclaimers apply - I have no affiliation with Wilderness Radio;
just a very happy customer.

72, Jim.

| Jim Bennett / W6JHB |
| jbennett@ebmud.com |
| Martinez, CA |
| |
| NWQRP #431   QRP-l #596   ARRL Life Member |
| NorCal #1996   FISTS #3159 |

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>

Subject: [19468] Sierra ABX Mod Story
Message-ID: <970512033634_70511.3041_IHD46-1@CompuServe.COM>

Jim:

Many thanks for relating this story about your Sierra. Glad to know that *finally* someone made this mistake--which is practically impossible to make... :-)

I concur with you on the greatness of the rig. I unfortunately had to buy a fully assembled rig from a fellow ham, having lost the use of one arm. The rig on arrival was darn near perfect and I made lots of solid contacts with it. Even had a fine showing during the recent Sprint at only 300-350 mw.

But it still needed a touchup to get rid of several anomalies:

1. low power output

2. double-signal rather single-signal reception

3. variable filter control needing replacement

So guess what--Wayne Burdick and Wilderness Radio people worked overtime to help me get it in absolute tiptop shape! And Bob Kellogg is re-working several band modules for me. Is this a great rig or what? And is this a great fraternity or what?!

Obviously I highly recommend the Sierra. It has logical controls and is very easy for me to operate. The built-in filters are excellent, and I find that output is more than adequate for QRP. The receiver is quiet and sensitive, with plenty of selectivity. My copy has the built-in KC-2, an option I wouldn't be without.

Bottom Line: here is a transceiver which all but disappears in use--so I am able to focus on operating...rather than worrying about the gear in front of me. And as I said above, the folks who market and support the rig are top-notch. You are not a number to them--you become a friend and valued member of the Sierra/Wilderness family. This rig will have a permanent place in my shack.

BTW--usual disclaimers, no financial consideration. no direct connection to the company, etc.

72/73,
--Doc/K0EVZ qrp-l 861 mn-qrp 19 norcal 2050 cqc 414 ak/qrp 139 nj-qrp 69

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [19465] Spice Practical Device Modeling
Message-ID: <199705120250.VAA02502@chuck.dallas.sgi.com>

Book Review

"SPICE - Practical Device Modeling" by Ron M. Kielkowski

Published by McGraw-Hill, Inc. Copyright date of 1995.

Ron Kielkowski developed the "Successfully Simulating Circuits with SPICE" and the "MicroSim PSpice Workshop" training seminars for RCG Research. He is the author of "Inside SPICE".

I happened to run across this book at a local book store that was going out of business the week they had books reduced 70% and I still walked out several hundred dollars lighter than when I walked into the store. Education IS expensive!! This book lists for $61.44, but it does include the disk which has all the examples from the book and the programs RSPICE and RGRAPH. RSPICE is the PC version of Berkely SPICE2G.6 and RGRAPH is a graphical postprocessor for plotting the results. Both use extended memory and 32-bit addressing.

The programs are provided with a reserved copyright. Individuals may use, copy, and distribute the programs free of charge. They may be registered with RCG Research for support and upgrade notices.

The book is 260 pages including index and appendices.

Chptr 1. Practical Device Modeling
Chptr 2. Modeling Resistors, Capacitors, and Inductors
Chptr 3. Modeling Diodes and Zener Diodes
Chptr 4. Modeling the Bipolar Junction Transistor
Chptr 5. Modeling the Junction Field Effect Transistor
Chptr 6. Modeling the Power MOSFET

Appndx A. Using the TC-CALC program
Appndx B. Using the CJ-CALC program
Appndx C. Using the LINREG and LRB Programs
Appndx D. Analog Behavioral Models [sic]
Appndx E. Using the RS_CALC Program

This is a book for people who have some idea of how to use SPICE, but more importantly it has some real examples of how to measure physical and electrical characteristics of devices using such things as a Capacitance Meter, Network Analyzer, etc. to determine characteristics as a function of operating conditions and frequency. Very informative and well written.

There are some interesting characteristics shown for devices such as 1N4002 diodes used as variable capacitors with the juction capacitance shown as a function of reverse bias voltage.

Models of 2N2222a with family of curves modeled vs. real measurements.

I have not gone through the entire book yet, but reading it on the flight out and back showed possibility and application of modeling circuits like the Pixie and other ham radio applications with great accuracy than before.

So, for those that have been using PSPICE or SPICE2G.6 from Berkeley and are wanting more accurate analysis, this book is a must. Price is typical of high tech books in the 90's. Due to 1995 date this book may not be readily available at all book stores, but may be orderable. Check with your local bookstore that carries McGraw Hill books.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/adams/
WIMPS: Qs=032 30m=21 17m=5 12m=0 States=19/05/00 DX=03/00/00 QSLs=005

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: kd4kzq@juno.com (Jim A Norsworthy)
Subject: [19489] St. Louis Tuner
Message-ID: <19970512.120040.6815.1.kd4kzq@juno.com>

Hi Gang,

Just a couple of quick questions. How much were the St. Louis Tuners selling for when offered as a kit? Are there any more St. Louis Tuner kits available or out there floating around for sale?

TNX,
72/73 es CUL de Jim KD4KZQ
QRP-L # 1060 10-10 #66171
kd4kzq@juno.com
" Less is REALLY more" think about it

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [19471] Thump Thoughts 5 Errata
Message-ID: <19970512.005526.6895.0.DWink@juno.com>

My apologies to all.

There is an error in my thump fix.

To separate U5-A from U5-B, you must cut the trace that
goes from pin 7 of U5 to R21 (510 ohms). R21 and R22 are
functionally part of U5-B.

The paragraph should have read:

Next we need to separate U5-A from U5-B. To the right of U5 is R21 (510). On
the component side of the board there is a trace going from R21, underneath U5,
to pin 7 of U5. Cut this trace where it ducks under U5.

Sorry for the inconvenience.   Busy.

Dan N7IVR Seattle

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: JOlson9230@aol.com
Subject: [19507] UNSUBSCRIBE
Message-ID: <970512175312_1222557709@emout18.mail.aol.com>

I would like to UNSUBSCRIBE QRP-L.
j olson

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: k5zty@juno.com (WILLIAM A STIETENROTH)
Subject: [19466] Vertical antennas and Radials??
Message-ID: <19970512.025759.4623.0.k5zty@juno.com>

Hello to the antenna Gurus on the list,

I have been reading the article on the W6MMA SLV in the current QRPp. The results of Vern's unscientific tests are impressive. He talks about using 1/4 wavelength radials for the band of choice. I have also read about people using "tuned" radials on ground mounted verticals before. In Bill Orr's Antenna Handbook, he talks about using many random radials and a matching circuit at the feed point. Some articles say to use radials as long as the radiator is tall. Do tuned radials eliminate the need for the matching circuit? Wouldn't the close proximity of the tuned radials to the earth detune the radials?(like trying to tune your yagi at ground level) What is the easy way to properly feed a ground mounted vertical such as the SLV, keeping in mind that it is a portable antenna? If L.B. or Cecil has discussed this before, I'm sorry that I missed it and I hope that the list can stand the question again.
Thanks and 72,

Bill, K5ZTY
Houston, TX
k5zty@juno.com
WITHOUT CW, IT'S JUST CB
ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440
QRP-L 473

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Stanley Wilson <microres@crl.com>
Subject: [19499] WTD 8155 or 8155-2 IC's
Message-ID: <Pine.SUN.3.91.970512133611.12746B-100000@crl3.crl.com>

I need a 8155 or 8155-2 IC. These were I/O and Ram chips from Intel in late 1980's. Need one, also need a 2167 or 2147 or 2141 ram chip from same era.

Anyone know of any sources for this old chips. Any junk shops in CA that I might be able to get one from ?????

Thanks, Stan ak0b

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Jim Bennett <jbennett@ebmud.com>
Subject: [19477] [Fwd: Hookup wire?]
Message-ID: <33772AA2.504C@ebmud.com>

Matt, AE4JM wrote:
>
> Just wandering what kind of hook up wire, like 3 or 4 conductor, that you
> guys use for hooking up pots, etc.....

Matt - a while back (last year?) someone on this list posted a note about Radio
Shack selling a 25 conductor cable at about 0.15 / foot. I believe at the time they
were supposedly closing this stuff out. Either they've changed their minds or my
local RS had an abundant supply, but its still there. Don't know the part number,
but it is about 1/2" thick, grey plastic insulated cable. Inside are 25
individually insulated wires. They appear to be about #22 or #24, multi-stranded
wire. Each one has a different color code. Easy to strip off the insulation. Easy
to solder. I bought 15' of the stuff, and probably have enough hook-up wire from
that to last years. Anyway - that's what I use.

Jim Bennett / W6JHB (jbennett@ebmud.com)
Supervising Systems Programmer
East Bay Municipal Utility District
Oakland, CA 94607
voice: 510.287.0224 / fax: 510.287.0373

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [19502] Re: 2-element Yagis
Message-ID: <863461250.0519342.0@gqrpclub.demon.co.uk>

Thanks for the info. I hope you don't get messages as I do saying you
announce new additions to your web page! As we work hard at upkeeping these
sites, it is a bit of a kick in the teeth when you get them. I say, if you
don't want to read the messages, don't! Oh well, we aim to please!
Best of luck with your very good work!
Frank G3YCC
QRP Web Site: http://www.gqrpclub.demon.co.uk

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "Taylor Greg" <gtaylor@TAEX003N.tamu.edu>
Subject: [19473] Re: ARRL/DXCC...Some Thoughts
Message-ID: <4F794AB78D5@taex003n.tamu.edu>

As the thread continues figured I'd weigh in with my 2c
worth....As I'm sitting on close to 200 countries cw and ssb with
probably over 100 country/qsls indicating /qrp on wire antenna's its
something I'm proud of but haven't been sufficiently motivated to
even send in the the ARCI award. An ARRL DXCC-qrp would be nice but
at least for me is non-critical......I am however, greatly
appreciative of the recognition of qrp as a category in ARRL
contests...sure makes it easy to compare scores.

72, Greg W5KJ

>
> With an antenna you can work DXCC in a weekend - pick a major DX contest
> and you can do it. Who will recoginse it? Your QRP clubs. Your fellow
> QRP'ers. If I ever sit down and QSL all the countries in my QRP log file,
> that DXCC will be right up there beside the ARRL DXCC.
>
> Will the ARRL do it? I doubt it. I really think, after talking to
>

****
Dr. Gregory S. Taylor   !MAIL: SpSvcs 216
Extension Program Leader for   !   College Station, TX 77843-2125
  Community Development   !VOICE: 409-862-8561
Texas Agricultural Extension Service!FAX: 409-847-8744
Texas A&M University System   !EMAIL: Reply or g-taylor4@tamu.edu
****

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997

From: DYARNES@aol.com
Subject: [19478] Re: ARRL/DXCC...Some Thoughts
Message-ID: <970512104845_2051710009@emout01.mail.aol.com>

Hi Gang,

Here's my 2 cents worth too. Actually, I find DX chasing to be great fun. I was even president of the local DX club for a time. However, It's hard to really relate to most DXers when you really enjoy QRP like I do. All the talk is about ETO amplifiers and stacked, wide spaced yagis. But most of all, I find it incredible the lengths to which people go for a QSL card! Working the DX is easy! It's getting the card that is all the work!

I decided a long time ago that I wasn't going to hold any DX records. So I quit worrying about QSL cards. I have my own, and I am happy to send them out when someone needs one; but I just don't need proof that I worked some DX station (it's in my log--that's enough for me), and I don't need to spend 5 bucks (that's not an exaggeration--I've heard lots of talk about spending this and much more) to get a card.

I've never applied for DXCC, although I know I have it. I can't swear I have the cards, but I probably do If I haven't lost a bunch in the six or eight moves we have made. I don't have DXCC (worked) on QRP, but I sure have a running start. Over the 25 years or so I have been tinkering with QRP I know I have worked a LOT of DX. But I will never hold any records, so I just don't worry about how many I have.

But that doesn't mean I don't think ARRL should recognize QRP DXCC. Just because I don't worry about confirms, I know it is a very big part of other people's fun. The ARRL position is ridiculous. They don't know how many DXCC awards have been given out to people running 2500 watts either!! So, I will send ARRL an E-mail supporting QRP DXCC, and I hope sooner or later they get real. Unfortunately, I am not confident they will yield, but let's make some noise anyway!

72 de David W7AQK

P.S. The only piece of "wallpaper" I really wanted to have was the "A-1 Operators Club" certificate, but I never have gotten one. I read not long ago that they haven't been giving out many because nominations were sadly lacking. I'm not sure I even qualify, but sure wish I did!

D.

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997

From: "Taylor Greg" <gtaylor@TAEX003N.tamu.edu>
Subject: [19481] Re: ARRL/DXCC...Some Thoughts
Message-ID: <4F930574A33@taex003n.tamu.edu>

> Hi Gang,
>
> all, I find it incredible the lengths to which people go for a QSL card!
> Working the DX is easy! It's getting the card that is all the work!
>
Ain't it the truth, in fact there for awhile when I was heavy into
DXing I found getting the card as interesting a challenge as making
the contact (almost). In fact I seem to recall some time ago during
one of the discussions re electronic qsls, gcr's etc. someone
suggested an award endorsment for "with cards". Seemed like an
interesting concept that would provide recognition for those who keep
up with various qsl routes and methods. When the cycle went down I
kind of lost track but seems to me the net is bringing all kinds of
interesting innovations to this aspect of DXing.

72, Greg, W5KJ

****
Dr. Gregory S. Taylor   !MAIL: SpSvcs 216
Extension Program Leader for   !   College Station, TX 77843-2125
  Community Development   !VOICE: 409-862-8561
Texas Agricultural Extension Service!FAX: 409-847-8744
Texas A&M University System   !EMAIL: Reply or g-taylor4@tamu.edu
****

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Daniel Puckett <dpuckett@erinet.com>
Subject: [19493] Re: Dayton
Message-ID: <33775B41.1FC3@erinet.com>

Monte Stark wrote:
>
> Hey,
>
> How am I supposed to know how to dress for Dayton without any
> Dayton Wx reports???? :-)
>
> 73, Ron,   SOWP 5545M,
>

Hi Ron.

Here is the accumulated wisdom of the ages.

1. Pack several pairs of shorts.

2. Pack some long johns.

3. Tee shirts are ok.

4. Don't forget the flannel.

5. Bring sox for a week. This sounds silly but, your feet will thank-you if you put on a fresh pair around mid-day.

6. Don't forget the bumper-shoot (umbrella).

7. A little SPF 15 sunscreen is always a good choice.

8. And, as we are only a few miles down the road from casa Nils, some badger repellent is a must.

9. A hat. Something to keep sun and liquid sun off your head.

See youse guys later,

Dan WD8AAU

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [19501] Re: Dayton
Message-ID: <Pine.GSO.3.95.970512165525.22452A-100000@lictor.acsu.buffalo.edu>

I just got a parka and a rain suit,tarp, plastic sheeting and some bungee cords. I am hoping for a couple nice days, but if it isn't ....I am ready.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "Marshall Emm" <mgemm@mtechnologies.com>
Subject: [19490] Re: Hookup wire?
Message-ID: <199705121707.LAA21792@lynx.csn.net>

> From: "Carol N. Wright" <cnw@HiWAAY.net>

> Just wandering what kind of hook up wire, like 3 or 4
> conductor, that you guys use for hooking up pots, etc.
> I like the kind of wire that Dave, NN1G supplies with

I don't recall what Dave supplies, but got a neat hint from OHR--
Dick supplies a length of multi-conductor cable (20 or 25, not sure
which) which you strip down to individual pieces of hookup wire.
It's stranded, and it's also color coded. So now I buy it in 3 foot
lengths, but as for how many strands and the guage, I have no idea.
I'm guessing it's around 20-22g with 6 or so strands.

Solid wire can be easier to work with and some people use it or
supply it in kits for that reason, but it is a lot less flexible and
can break.
73
Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
http://www.mtechnologies.com/mthome

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: sarraf@thermacore.com
Subject: [19474] Re: Lightning
Message-ID: <85256495.0048C9D0.00@tci-nt01.thermacore.com>

>Hi Ron,
>I was really glad to hear your story.
>At 09:11 PM 5/9/97 -0700, you wrote:

>A friend in Idaho always makes large coils, about 4' in dia, in
>his feed lines just before they enter the shack.

It is common practice to make "lightning coils" in the feeder for electric

fence wires just before the wire gets to the fence charger. The local farm supply store store sells plastic forms for this purpose. Although I would not expect it to block a direct hit to the fence, the coils should least stop induced currents from nearby hits or cloud-to-cloud strikes. Induced currents are probably the whole problem here, though. Fence wires are closer to ground than antenna wires, (otherwise they wouldn't be a fence...) and the area they cover is far greater than most antennas.

 I wonder how differently the coils would behave when made of copper coax rather than the much higher resistance zinc-plated steel wire commonly used with electric fences? Theory says that both the time constant and the Q of the circuit would change. Would this make any practical difference?

An incident several yearsago at a friend's mountain top hunting camp gave me a profound respect for both lighting and tube equipment. A lightning hit blew away the antenna, melted the insulation on the remaining coax, and welded the bottom of the radio to the metal operating table. The radio still worked. We considered ourselves EXTREMELY blessed to have found the cabin still standing. I have a hard time believing that anything shy of hardwiring the antenna to ground would have prevented this problem.

Dave Sarraf
N3NDJ
Elizabethtown, PA

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: sarraf@thermacore.com
Subject: [19492] Re: R2 and digital quadrature - deja vu
Message-ID: <85256495.005CE384.00@tci-nt01.thermacore.com>

Two free Matlab-like programs are available on the web:
     MATHVIEWS is a windows-based program that accepts unaltered nearly all of the M-files and commands from all but the newest MATLAB program. This program is shareware.
     RLAB is a DOS-based, command line style program written by Ian Searle. It is similar to MATLAB but not identical. RLAB is free under the GNU public license terms, so source is available as well as are binaries for UNIX and possibly LINUX systems.

Both programs are available from Simtel and similar repositories under the /MATH subdirectory. RLAB is also available from the NASA-JPL web site. I can look up the exact names if you need them.

As general purpose matrix engines with calculation and plotting capabilities, both programs are good for DSP work. They have all of the standard window functions such as Kaiser, Bessel, and Hamming, and both have a FILTER function which accepts your coefficients and applies them to an input data stream which you have previously digitized. My personal preference is RLAB, however I like DOS and don't mind UNIX (our MIS manager once asked me -seriously- if I know how to use Windows!)

There are other programs out there. On the JPL web site is an early version of an outright MATLAB clone, and similar programs are said to exist for LINUX systems.

If you get these programs you may also want to try looking at MATLAB's home page. It has lots of M-files which are useful under either RLAB or MATHVIEW.

QEX had a DSP article a few issues ago which was based on the use of custom C program fragments. While this approach works, I would strongly recommend against it and in favor of RLAB. I tried it before RLAB and found that my efforts were focused on writing, compiling, and debugging rather than on learning DSP. The author certainly had good results with his approach, but even though I code for a living some days I do not desire to live by coding.

Analog Devices has two books which I found quite useful. The first is an introduction to DSP, and the second is the user's guide for one of their DSP chips. I don't have the titles in front of me right now, but these have been offered for several years in a listing of textbooks which Analog Devices sends with nearly all of its other literature. Both books are good. The Intro starts on a strictly qualitative basis then slowly but surely moves into the necessary math. At the end of the book you are left with a very good appreciation of what DSP can do and the underlying math required (yes you need some to do a good job with DSP!). The User's Guide builds on the Intro through practical examples illustrated with flowcharts and code. Chapters include 2-d and 3-d image processing, filtering, equation solving with DSP chips, and DTMF decoding using Goertzel's algorithm. My RLAB simulation of the DTMF decoder worked as advertised. These two very useful books are about $40. unless you can convince Analog Devices that you are or will be a high volume user.

Vision and Motion Surplus in Boston (moved to Marlboro?) had advertised used books and had some titles related to DSP. I bought old copies of some of the original works by Rabiner, Gold, and Oppenheimer for less than $10. each. Althought the typography is old and the covers faded, the information is still valid. I will dig up this phone number if asked.

Personal Engineering and Instrumentation News regularly publishes how-to and tutorial-level DSP articles. Several of their authors put sample code

on web pages. There are also numerous independent web pages which cater to the DSP community. Write if you can't find something good on a search engine.

Beware that if the bug bites it will quickly lead you to closely related topics like Spread Spectrum, Digital Communications, and Wavelets. I have found that I need another lifetime to assimilate all this interesting stuff and still have time for ham radio.

Dave Sarraf
N3NDJ
Elizabethtown, PA

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: DYARNES@aol.com
Subject: [19475] Re: Sierra ABX Mod Story
Message-ID: <970512101316_-1433255138@emout18.mail.aol.com>

Hi Jim,

If you look up "dumbass" in the dictionary, you will see my picture! I have done this kind of thing all too often, but always glad to meet a soul mate!

72 de David W7AQK

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [19476] Re: Sierra ABX Mod Story
Message-ID: <Pine.SUN.3.90.970512072853.26221A-100000@vortex>

Hi Dave,

I'd like a nickel for every time I have tried to fix a radio
without having it turned on!!

cul,

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: MRice@mindscape.com
Subject: [19498] Re: [Fwd: Hookup wire?]
Message-ID: <88256495.006A65FA.00@nvtonotes1.mindscape.com>

I went to the Shack yesterday and saw the wire at $0.14/ft.
I think the part number is 276-776.
He wanted $49 for an entire roll, enough for a "flight-line" replacement.

Subject: [Fwd: Hookup wire?]
From: jbennett@ebmud.com at MINDSCAPE
From owner-qrp-l@Lehigh.EDU Mon May 12 18:04:26 1997
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
Subject: [19488] RE: [TenTec] FS: Corsair II w/Remote VFO
Message-ID: <46855.owen@piper.eeel.nist.gov>

In message Sun, 11 May 97 20:25:52 -0400, Pete Meier <pmeier@tir.com> writes:

> I have Ten Tec Corsair II w/Remote VFO. Both are in good condition.
> Corsair has two filters installed. Position 1 SSB & position 2 is 500HZ
> CW filter. Everything works fine business. Cosmetics:covers have minor
> scratches and wear spots on top.
>
> Price is $450 for Corsair and $150 for Remote VFO plus shipping.
> I prefer to sell as a package and will sell package for $550.
>
> Email to pmeier@tir.com
>
Hey Guys,
   I haven't seen anything about this being sold. Pete has a GREAT price on this package. Anyone would be more than happy with the Corsair II and it comes with the optional cw filter. I would buy it if I didn't already have the same set-up and I paid almost $800 for mine. One of you should grab it up. 72/73 Jim K4CGY qrp-l #72